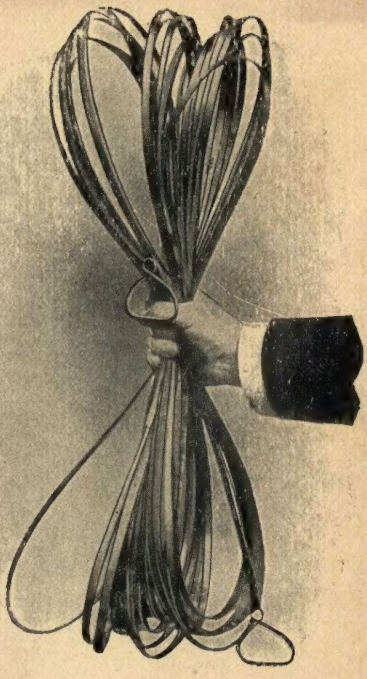
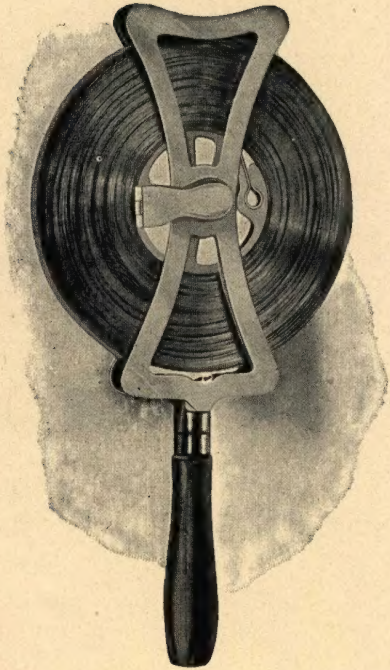
COMMON SENSE THINGS FOR FIELD USE



Chicago Steel Tape Co.

6233 Cottage Grove Avenue, Chicago, Ill.



This Is About Steel Tapes

Inaccurate chains and broken tapes cause more trouble for engineers and surveyors than technical problems.

Does that statement appeal to you personally?

If so, the CHICAGO STEEL TAPE will interest you, for it combines the toughness of the chain and the accuracy of the tape.

It is made on COMMON SENSE lines.

Remember This

About the CHICAGO STEEL TAPE.

You need not be in the least worried if you thoughtlessly leave it where teams will run over it. DON'T stop a line of wheel scrapers if you want to measure across their path. Let them run over it. If they break it we will repair or replace it. We will repair it no matter how broken, and replace it with a new Tape if broken by a railroad train when unintentionally left across its tracks.

The Chicago Steel Tape is the Only Tape with which such a Proposition would not be Suicidal.

CHICAGO STEEL TAPE CO.
CHICAGO

Some Facts

The CHICAGO STEEL TAPE will throw itself out of a kink unless held so it cannot free itself. It can then be broken by vicious jerking. But it REQUIRES ALMOST INTENTIONAL CARELESSNESS to break it. And it does not need the protection of a reel while lying in the bottom of a wagon or on the office floor.

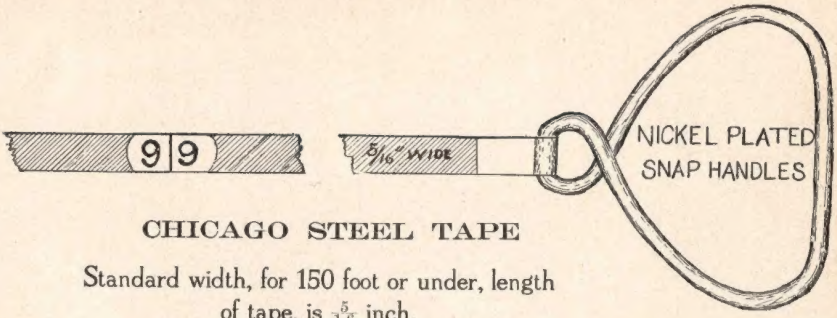
It is plainly marked and numbered at every foot, link, meter or vara, with the end divisions in tenths. You don't have to hunt for the nearest 10-foot mark and count from it. The danger of error thereby is practically eliminated. Its measurement begins and ends with the ends of the steel, but graduated otherwise if desired.

Its marking does not affect the strength of the tape, nor produce rust as does etching or rivets. Nor does it become illegible from rust. The steel used is tinned or aluminized which practically prevents rusting.

Its THICKNESS, WIDTH and TEMPER were determined by the test of years in actual use in all kinds of climate.

It is STANDARDIZED by United States standard at a temperature of 70 degrees and under a 10-pound strain.

It is the most SERVICEABLE and therefore the CHEAPEST tape on the market.



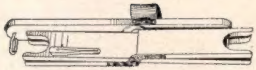
CHICAGO STEEL TAPE

Standard width, for 150 foot or under, length of tape, is $\frac{5}{16}$ inch.
For over 150 foot lengths, $\frac{3}{16}$ inch.
If otherwise desired specify in ordering.

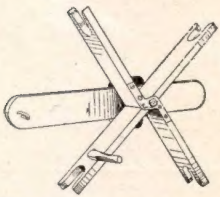
We furnish Raw Hide Handles in place of Snap Handles if desired. They are really better.

OUR WOODEN REEL

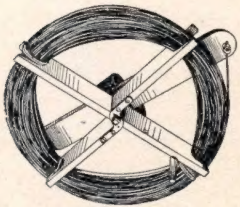
These cuts fairly describe it



Closed up when not in use and can be carried in an ordinary pocket



When open, ready for use



With tape on

It is made of hard wood and hand-polished.

It coils the tape much faster than the metallic reel.

It is especially adapted for long tapes and tapes with shoulders.

It is made with a view to strength. But should it break it is so simple in its parts and assemblage that anyone can repair it. Or we will supply any parts of it for 10 cents each, we paying postage.

It works fine and looks fine. We advise its use in preference to the metal reel.

For 50 ft. to 200 ft. tape	$ .75
From 200 ft. to 500 ft. tape	1.50
For larger tapes than 500 ft.	3.00

Specially adapted for light pocket tapes.

The Eureka Tape Repairer

Patent Applied For

FINALLY THE RIGHT THING HAS BEEN FOUND

It consists of thin Sheet Metal folded in the shape of a Sleeve and coated with a combination of Solder and Flux so sensitive it will make a perfect adhesion with the Tape by the HEAT OF ONE COMMON MATCH.

No Rivets, No Soldering Iron

The REPAIR can be made in the FIELD in one minute and look as NEAT as if done by a jeweler and as STRONG as a blacksmith could do it. One dozen of these SLEEVES weigh less than half an ounce and occupy too little space to be noticed. Made to fit ANY TAPE.

DIRECTIONS

Clean the broken ends of the tape with a knife or sand paper; insert the broken ends in the sleeve; hammer the sleeve slightly so it closes well down on the tape; then hold a LIGHTED MATCH under the sleeve while it burns itself out; *and then if you can pull it apart we will refund double the money it cost you.*

PRICE DELIVERED

One Dozen Sleeves, 50c; Half Dozen, 30c.

Postage Stamps are Legal Tender with us.
State Width of Your Tape and if Heavy or Light.

Sole Manufacturers

CHICAGO STEEL TAPE CO.

6233 Cottage Grove Ave. **CHICAGO**

References

We have received more unsolicited favorable comments from the users of our tapes than would fill a large volume.

It makes an engineer feel good to have a whole tape left, after thoughtlessly leaving it across a railroad track while a train passes over it, and we are often favored with accounts of such incidents. This has occured over a hundred times, and through such occurrences we have the privilege of referring to a long list of railroad engineers, many of them chiefs of the railroads. Other engineers have favored us with hundreds of accounts of all kinds of hazards which the tape has successfully survived.

See Price List

These goods can be obtained at any of the leading supply houses in the country. Prices the same everywhere.

PRICE LIST OF TAPES

Lengths and Graduations	Without Reel	With Metallic Reel	With Wooden Reel
100 ft.	$3.75	$5.00	$4.50
50 "	3.00	4.25	3.75
200 "	6.00	9.00	6.75
300 "	8.00	12.00	9.50
500 "	13.00	18.00	14.50
100 link	3.00	4.25	3.75
200 "	5.00	7.00	5.75
20 meter	3.00	4.25	3.75
40 "	5.00	7.00	5.75
20 vara	3.00	4.25	3.75
50 "	6.00	9.00	6.75
50 link	2.00		2.75

Tapes with shoulders, 25c extra.

Tapes, marked both sides, 1c per mark extra.

Raw Hide or Metallic Handles furnished with Tape without charge.

EUREKA TAPE REPAIRER

One Dozen Sleeves 50c; Half Dozen 30c. Postage paid.

LEVELING RODS

12½ ft. Rod in 3 pieces $6.50

Rod Ribbon, lengths 12 to 20 ft., per ft. ..... .08

One pair Stadia Targets 4.00

LINING POLES

8½ ft. Lining Pole, in 2 pieces $3.00

All the above prices are net, F. O. B. Chicago.

NOTE.—It has become an established business custom, where a customer is not known, and where remittance does not accompany the order, to send goods C. O. D. No discourtesy is intended by so doing, but it costs the purchaser the extra charge for collection. Also express charges generally exceed mailing. We would therefore suggest for the buyer's advantage that they send remittances with their orders, large enough to cover postage. A single 100-ft. tape without reel requires 33 cents postage, and a 4 rod tape 24 cents. When a reel is wanted it's generally cheaper to send by express.

Cut this sheet out and use it as an order blank

ORDER SHEET

Chicago Steel Tape Company,
6233 Cottage Grove Ave., Chicago, Ill.

Please ship to me via..... Express

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To the following address:

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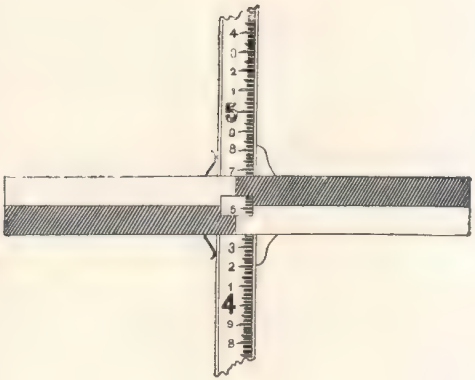
☞This order is placed with the understanding that you guarantee the article to be in strict accordance with the assertions made in your catalogue, and failing to be so, in my opinion, you agree to replace it or refund the money.

Signed.....

Date .....

STADIA TARGETS

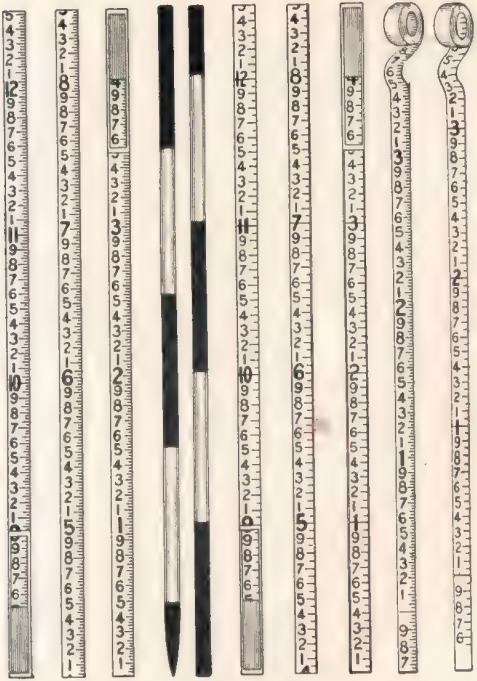


They are 24 inches long by 3 inches wide. The quarters alternating Red and White. One Target has a screw clamp to firmly hold it at any fixed point. The other Target is furnished with a spring clamp so it can be slid up or down the Rod. Both can be readily taken off or put on the Rod.

The strongest argument in favor of Stadia work is speed. And speed means long sights. And long sights require big targets. We have therefore aimed to make the largest target which can be carried convenient.

If too long, saw off the ends

REAL PORTABLE LEVELING RODS, LINING POLES AND ROD RIBBONS



THEIR PURPOSES

Lightness, Portableness, Legible-ness and Cheapness

LEVELING ROD

Style A

THE CHICAGO LEVELING ROD

Is made by joining three pieces of thoroughly seasoned wood, by means of nickel-plated sockets, so constructed as to not obscure the face. The bottom of the ROD is shod. On the face is glued the ROD RIBBON. This can be torn off and a new Ribbon put on when the figures and graduations become illegible. The face of the Ribbon is varnished, preventing its becoming soiled the same as any painted rod face. The advantage of refacing it so cheaply and quickly is readily seen. This can be done with Paige's glue, which can be procured everywhere. Glue the Ribbon on it's entire length before cutting it at the joints.

With each Rod is furnished a strong cloth sack with three pockets, permitting the three parts to be folded upon each other, making a package as easily carried about as a closed umbrella.

As shown in the full size cuts, there are two styles of graduations, "A" and "B." When ordering designate which you wish.

LEVELING ROD

Style B

THE CHICAGO LEVELING ROD is SELF READING. We do not furnish targets unless specified in order (It adds $1.50 to price), for we believe they are useless and that the man at the instrument should be more accurate than the rodman, beside it avoids misunderstanding a called reading. The face of the rod is so clear, it can be clearly read through the ordinary telescope at 500 feet, and a thousand feet under favorable conditions. Longer sights than 500 feet should only be taken when peculiar circumstances force the necessity of it, and in such events any temporized target will answer the purpose. It does not pay to carry a target about continually for so seldom a use The joints are locked with a spring catch so the Rod cannot come apart.

THE ROD RIBBON is made of Paper Cloth any lengths up to 20 feet. It fits nicely the ordinary O. G. Batten found in every lumber yard, and when glued or tacked on any kind of a stick makes a very serviceable leveling rod, cross section rod or water gauge. It is pertectly serviceable under water.

See Price List

The Chicago Lining Pole

This LINING POLE is made in two pieces, jointed with Telescope Tubing, perfectly fitting and not affected by swelling or shrinking of the wood. And making an absolutely rigid pole.

The outer piece of tubing, one foot in length, is nickel-plated, which prevents the wearing out or defacing the paint where the hands usually hold the pole. This nickel-plated part adds very much to the handsome appearance of the pole. It is round, one and

three-sixteenths inches diam., eight and one-half feet long, and shod with a steel tip.

We furnish with each pole a strong cloth sack having two pockets, in which to carry it, protecting it from marring.

When carrying it in public conveyances, one does not have to exercise eternal vigilance to prevent injury to persons or property, nor does it attract special attention of the curious.

The two parts are held together by a spring catch which prevents its coming apart.

See Price List

We can furnish other articles, such as ass-skin, metallic, and steel pocket tapes, marking pins, drawing utensils, paper, etc., not our make, at ruling market prices.

Our aim is to supply the Field Engineer with **simple, strong, accurate, convenient** implements, designed from the knowledge acquired by years of experience.

We want all our patrons more than satisfied, and if any purchaser finds he has bought something any different from what he interpreted in the preceeding descriptions we ask it as a favor to us that it be returned, and we will gladly remit the money. We have yet to learn of a single dissatisfied customer, and we don't intend there should be any.

CHICAGO STEEL TAPE CO.

6233 COTTAGE GROVE AVE.

CHICAGO, ILL.